

T4 New Reactor Licensing Challenges – Past, Present and a View to the Future

The NRC built a solid new reactor licensing program dedicated to the safety and security mission of the agency, and guided by sound safety regulations. NRC first began receiving new reactor license applications in 2007. Since then, it has gained review experience and has benefitted from taking its lesson learned and applying them to the reviews that are ongoing and strengthening its licensing review processes so that future reviews will be more efficient. The NRC is getting ready to review additional Combined License Applications (COL)s, Early Site Permits, and Limited Work Authorizations over the next few years. The panel will discuss the successes and challenges, as well as approaches being taken to improve the Part 52 licensing process and progress on new reactor licensing reviews. Areas that will be covered include licensing review resource planning and scheduling, project risk assessment strategies, management of competing program needs with time sensitive implementation requirements, such as rulemaking changes, and advanced reactors and construction inspection program development. The panel will also discuss the impacts to licensing reviews that are associated with applicant based design and business strategy changes.

Session Chair: David Matthews, Director, Division of New Reactor Licensing,
NRC/NRO

Presentation View

Handout View

Speakers/Panelists:

Discussion with a Construction Firm Regarding Planning for Construction of New Plants

Presentation View

Handout View

William Fox, III, Vice President and Project Director, Shaw Group

Discussion with Combined License Applicants Regarding Opportunities and Challenges Faced in Their Planning Efforts to Construct and Operate New Plants

Presentation View

Handout View

Mark McBurnett, Vice President, Oversight and Regulatory Affairs, STP Nuclear Operating Company

Joseph “Buzz” Miller, Executive Vice President, Nuclear Development, Southern Nuclear Operating Company

